Amendments to the Claims:

1-3. (canceled)

4.   (currently amended): A method of embedding auxiliary information in original data, said method comprising:

receiving original data;

receiving auxiliary information, the auxiliary information being independent of the original data;

changing the auxiliary information based on the original data; and

embedding the changed auxiliary information in the original data. The method of claim 1 in which the auxiliary information is dynamically modified based upon the original data.

5. (currently amended): The method of claim 4 in which after said changing step, said method comprises encrypting the process includes encryption of the changed auxiliary information.

6. (currently amended): The method of claim 5 [[1]] in which an [[the]] encryption key is stored in a database accessible by both an embedding device and a device operable to decode the embedded changed auxiliary information from the original data. the sending and receiving devices.

7. (currently amended): The method of claim 6, wherein the original data

comprises a plurality of segments, and [[1]] in which the encryption key

is stored within the decoding receiving device and is the same for each of the plurality of

segments. every media segment.

8-13. (canceled)

14. (currently amended): The method of claim 4, wherein said embedding

comprises steganographic embedding. [[12]] in which modifying the auxiliary

information is based upon the values previous in time to the embedded bit stream in

Patent #5,774,452 by Jack Wolosewicz of Aris Technologies.

15. (currently amended): The method of claim 14 [[12]] in which changing

modifying the auxiliary information is based upon unchanged original data bits to be

purposely skipped during said embedding. when embedding a PN sequence.

16. (currently amended): The method of claim 14 [[12]] in which changing

modifying the auxiliary information is based upon original data bits which are not used

for embedding when a because the PN sequence designates the not used original data bits

is forced to designate these as non-embedding data in locations.

17. (currently amended): The method of claim <u>4, wherein the original data</u>

<u>comprises a plurality of frames, and</u> [[12]] <u>wherein said</u> ~~further including an~~ embedding

<u>includes</u> ~~process, which involves repetitively~~ <u>placing</u> ~~placing~~ the ~~locked~~ <u>changed</u>

auxiliary <u>information</u> ~~data bits~~ in slots located in <u>at least one header associated with one</u>

<u>of the frames.</u> ~~the header of each frame.~~

18. (currently amended): The method of claim <u>4</u> [[12]] <u>wherein said</u>

<u>embedding places</u> ~~further including an embedding process, which involves placing~~ the

<u>changed</u> ~~locked~~ auxiliary ~~data~~ <u>information in a</u> ~~bits in the~~ global header <u>associated with</u>

<u>the original data.</u> ~~of the file.~~

19–29. (canceled)

30. (new): The method of claim 4, wherein said auxiliary information comprises

plural-bits, and wherein said changing comprising changing at least a plurality of the

plural-bits.

31. (new): The method of claim 4, wherein the auxiliary information comprises a

total number of bits, and wherein said changing does not alter the total.

32. (new): A method of enabling an action with embedded information, wherein the information is embedded according to the method of claim 4, said method comprising:

decoding the embedded information;

verifying the embedded information corresponds to the original data; and

enabling the action when both the embedded information corresponds to the original data and the auxiliary information permits the enabling.

33. (new): The method of claim 4, wherein the original data comprises a photograph, the changed auxiliary information is embedded within the photograph, and said method further comprises printing the embedded photograph on an identification document.

34. (new): The method of claim 33, wherein auxiliary information is changed by data within the photograph.

35. (new): The method of claim 33, wherein the original data further comprises information correlated with the identification document, and the auxiliary information is changed by at least one of: i) a portion of the photograph, ii) a portion of the correlated information and iii) a combination of a portion of the photograph and a portion of the correlated information.

36. (new): The method of claim 35, wherein the correlated information comprises at least one of a name and address.

37. (new): The method of claim 17, wherein a redundant instance of the changed auxiliary information is placed in a plurality of frame headers respectively associated with the plurality of frames.

38. (new): The method of claim 17, wherein a first portion of the changed auxiliary information is placed into at least a first frame header, and a second portion of the changed auxiliary information is place into at least a second and different frame header.

39. (new): The method of claim 38, wherein the first portion and the second portion comprise overlapping changed auxiliary information.